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Unit 9 - WEEK 08 Design Practice II

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Assignment 08_Design Practice 2

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2018-10-24, 23:59 IST.**

1) In which stage the measurement system comes in contact with the measurand or the quantity to be measured? **1 point**

- ☐ Transducer Stage
- ☐ Signal Processor Stage
- ☐ Output Stage
- ☐ None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Transducer Stage

2) A group of components which can complete certain tasks or achieve certain desired results in the desired manner while working together is called as _____ **1 point**

- ☐ output system
- ☐ sequence system
- ☐ control system
- ☐ all of these are true

No, the answer is incorrect.

Score: 0

Accepted Answers:

control system

3) In which system does the output not affect the process in any way? **1 point**

- ☐ Open loop system

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Accepted Answers:*Open loop system*4) Which control system does not have a stability problem? **1 point**

- ☐ Open loop system
- ☐ Closed loop system
- ☐ Both open and closed loop system
- ☐ None of these

No, the answer is incorrect.**Score: 0****Accepted Answers:***Open loop system*5) Data acquisition is the process in which, physical variables from the real world are _____ **1 point**

- ☐ converted into electrical signals
- ☐ modified and converted into a digital format for processing
- ☐ converted into electrical signals and also modified and converted into a digital format for processing
- ☐ none of these

No, the answer is incorrect.**Score: 0****Accepted Answers:***converted into electrical signals and also modified and converted into a digital format for processing*6) Which of the following cannot be considered as data in the Data Acquisition System (DAQ)? **1 point**

- ☐ Temperature
- ☐ Mechanical displacement
- ☐ Flow rate
- ☐ None of these

No, the answer is incorrect.**Score: 0****Accepted Answers:***None of these*7) What is the input of the data acquisition system (DAQ) to which a transducer is connected called? **1 point**

- ☐ control element
- ☐ channel
- ☐ interface
- ☐ function

No, the answer is incorrect.**Score: 0****Accepted Answers:***channel*8) The mechatronics is an interdisciplinary field in which the disciplines those act together are **1 point**

- ☐ Mechanical systems and Electronic systems
- ☐ Mechanical systems and Information technology
- ☐ Electronic systems and Information technology
- ☐ Mechanical systems, Electronic systems and Information technology

No, the answer is incorrect.

Score: 0

Accepted Answers:

Mechanical systems, Electronic systems and Information technology

9) The controller characteristics for on-off controller follow _____.

1 point

- ☐ only one curve
- ☐ two curves
- ☐ four curves
- ☐ unpredictable

No, the answer is incorrect.

Score: 0

Accepted Answers:

two curves

10) The user-centered design comprises of which of these principles?

1 point

- ☐ Stakeholder focus
- ☐ Empirical Evaluation
- ☐ Iteration
- ☐ All of the mentioned

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the mentioned

11) The following is the preliminary stage of Production planning

1 point

- ☐ Capacity planning
- ☐ Material requirements planning
- ☐ Scheduling
- ☐ Product development and design

No, the answer is incorrect.

Score: 0

Accepted Answers:

Product development and design

12) The following is the source(s) for developing new or improved product

1 point

- ☐ Research and Development department of the enterprise
- ☐ Consumer suggestions and Complaints
- ☐ Other competitive products in the market
- ☐ All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

13) Which of the following is the responsibility of the production manager?

1 point

- ☐ people
- ☐ plants
- ☐ processes
- ☐ all of the mentioned

No, the answer is incorrect.

Score: 0

Accepted Answers:

all of the mentioned

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